

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

(For all sources except true minor sources)

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Reviewed by: Ralph E. Gosney, DAQ

GENERAL INFORMATION:

Name:	Summit Polymers, Inc.
Address:	160 Clarence Drive, Mt. Sterling, KY 40353
Date application received:	July 1, 2003
SIC/Source description:	3089/Manufacture of Plastic Parts (Automotive)
Source ID #:	21-173-00024
Source A.I. #:	3196
Activity #:	APE20040001
Permit number:	F-05-045

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	2004 Actual (tpy)	Potential (tpy)
PM/PM ₁₀	0.6	4.4
VOC	8.5	90
Single HAP > 10 TPY	NA – Conditional Major Source	NA – Conditional Major Source
Total HAP > 25 TPY	NA – Conditional Major Source	NA – Conditional Major Source

SOURCE PROCESS DESCRIPTION:

Summit Polymers is a manufacturer of small plastic parts for the automotive industry. Products include air conditioning/heating vent dampers and louvers, cup holders, etc. The source currently operates 28 injection molding machines that produce the various automotive parts. These parts are then trimmed, inspected, and assembled. The mold “tree” and some rejected pieces and parts are then ground and recycled back through the molding system. Some of the parts, depending upon the desired final product, are sent to a series of nine (9) paint booths. The paint booths consist of small, hand-held sprayers with cartridge filters that are replaced once per shift. Painted parts are cured in a small infrared oven attached to the paint booths.

EMISSION AND OPERATING CAPS DESCRIPTION:

In order to preclude the applicability of Title V permitting, the source has requested source-wide caps to limit potential emissions to less than 90 tons per year of VOC, less than 9 tons per year for any single HAP, and less than 22.5 tons per year for combined HAPS.

Monthly emissions calculations are required for the source to demonstrate compliance with these emission caps. The amount of solvent-based paint used at the plant is limited to 1260 gallons per month based upon the original conditional major permit issued for the source. This limit has been retained for the renewal permit.